



Science Toolkit: Grade 8 Objective 2.B.1.b

Student Handout: Science: Grade 8 Objective 2.B.1.b

Standard 2.0 Earth/Space Science

Topic B. Earth History

Indicator 1. Explain how sedimentary rock is formed periodically, embedding plant and animal remains and leaving a record of the sequence in which the plants and animals appeared and disappeared.

Objective b. Cite evidence to confirm that thousands of layers of sedimentary rock reveal the long history of the changing surface of the Earth.

Selected Response (SR) Item

Question

Use the information below to answer the following.

The Hawaiian Islands are home to some of the most studied volcanoes on Earth. The volcanoes erupt often but are seldom explosive because of the magma that they produce. Kilauea volcano is located on the largest of the Hawaiian islands and rises over 4,200 feet above sea level. Kilauea has been erupting continuously since 1983 and has resulted in new landmass.

Why do scientists study rock layers?

- A. to find rock fragments
- B. to find new species of organisms
- C. to find evidence of the core of Earth
- D. to find physical evidence of the history of Earth

Correct Answer

D. to find physical evidence of the history of Earth

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